

REMARKS

Claims 1 and 15 remain in the application. Claims 2-14 and 16-26 are canceled without prejudice or disclaimer. Reconsideration of this application is respectfully requested.

Claims 1-26 were rejected under 35 U.S.C. under 102(e) as being anticipated by U.S. Pat. No. 7,206,600 (Reece)

Applicant has amended independent claims 1 and 16. Support for this amendment is found within the canceled dependent claims 17, 20, 21 and 23 along with support from the paragraph found on page 7, lines 3-10 of the specification reprinted below:

Though the single wire bus is provided to allow communications with the EEPROM, additional devices can be used within the antenna to provide control of the antenna's parameters. For example, a parallel output single wire I/O device can be placed on the same single wire bus and provide a means to close switch contacts (FETs or MEMs) that can alter the operating frequency of the antenna. The alterable frequency capability permits the antenna to switch bands or operate over a wider (manipulated) frequency range. Thus, the antenna system of the present invention can be tuned to operate over a broader bandwidth and provide greater radiating efficiency.

Applicant respectfully submits that Reece does not anticipate the claims as amended. A review of col. 4, lines 20-29; col. 6, line 51-col. 7, line 5; col. 8, lines 26-65; col. 10, lines 28-67; fig. 3-5 and fig. 7; col. 3, lines 41-59 does not provide for the limitations of the amended claims.

There is no teaching or suggestion of altering the frequency of operation of the antenna and there is no teaching or suggestion of a parallel output single wire I/O device placed on the at least one single wire memory device within the antenna for controlling predetermined antenna parameters that opens and closes switch contacts to alter the operating frequency of the antenna.

The cited reference actually teaches away from Applicant's invention in col. 3, lines 39-41 which teaches "by varying and measuring different values of antenna resistance..."

Applicant specifically recites "the single wire memory device provides impedance versus frequency parameters, the radio automatically impedance matching to the antenna impedance as the radio changes frequency without having to measure the impedance of the antenna." No such teaching is provided within the cited reference.

Accordingly claims 1 and 18, as amended, overcome the rejection under 35U.S.C. 102(e). Applicant respectfully requests reconsideration of these amended claims.

Conclusion

Applicant has reviewed the references of record and believes that Applicant's claimed invention is patentably distinct and nonobvious over each reference taken alone or in combination. Applicant respectfully requests that a timely Notice of Allowance be issued in this case. Such action is earnestly solicited by the Applicant. Should the Examiner have any questions, comments, or suggestions, the Examiner is invited to contact the Applicant's attorney or agent at the telephone number indicated below.

Please charge any fees that may be due to Deposit Account 502117, Motorola, Inc.

Respectfully submitted,

November 10, 2008

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